WHAT IS CLAIMED IS:

1	1	An immunogenio	composition	comprising a	n isolated	polypeptide,
	1.	An iniliunozome	COMPOSITION	COMPTIBILITY OF	II IDOIGIOG	porjetere,

- wherein the amino acid sequence of the polypeptide is at least 80% identical to SEQ ID
- 3 NO:1, SEQ ID NO:2, SEQ ID NO:3, SEQ ID NO:4, SEQ ID NO:5, or SEQ ID NO:6, and
- 4 wherein the composition induces production of an antibody that specifically binds to equine
- 5 IgE.

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- The composition of claim 1, wherein the amino acid sequence of the polypeptide is at least 80% identical to SEQ ID NO:1.
- The composition of claim 1, wherein the amino acid sequence of the polypeptide is at least 80% identical to SEQ ID NO:2.
 - 4. The composition of claim 1, wherein the amino acid sequence of the polypeptide is at least 80% identical to SEQ ID NO:3.
 - 5. The composition of claim 1, wherein the amino acid sequence of the polypeptide is at least 80% identical to SEQ ID NO:4.
 - 6. The composition of claim 1, wherein the amino acid sequence of the polypeptide is at least 80% identical to SEQ ID NO:5.
 - 7. The composition of claim 1, wherein the amino acid sequence of the polypeptide is at least 80% identical to SEQ ID NO:6.
 - 8. The composition of claim 1, wherein the composition includes a carrier molecule.
- The composition of claim 1, wherein the composition includes an adjuvant.
- 1 10. A composition comprising an antibody that specifically binds to a polypeptide at least 80% identical to SEQ ID NO:1, SEQ ID NO:2, SEQ ID NO:3, SEQ ID
- 3 NO:4, SEQ ID NO:5, or SEQ ID NO:6.
- 1 11. The composition of claim 10, wherein the antibody specifically binds 2 to a polypeptide at least 80% identical to SEQ ID NO:1.
- 1 12. The composition of claim 10, wherein the antibody specifically binds 2 to a polypeptide at least 80% identical to SEQ ID NO:2.
- 1 13. The composition of claim 10, wherein the antibody specifically binds 2 to a polypeptide at least 80% identical to SEQ ID NO:3.

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identical to SEO ID NO:5.

1	28. The antibody of claim 22 wherein the polypeptide is at least 80%					
2	cal to SEQ ID NO:6.					
1	29. A method of making an antibody that specifically binds to equine IgE					
2	the method comprising:					
3	immunizing an animal with a composition further comprising an isolated					
4	polypeptide, wherein the amino acid sequence of the polypeptide is at least 80% identical to					
5	SEQ ID NO:1, SEQ ID NO:2, SEQ ID NO:3, SEQ ID NO:4, SEQ ID NO:5, or SEQ ID					
6	NO:6; and					
7	collecting antiserum from the animal.					
==1	30. The method of claim 29 wherein the amino acid sequence of the					
1	polypeptide is at least 80% identical to SEQ ID NO:1.					
1	31. The method of claim 29 wherein the amino acid sequence of the					
12	polypeptide is at least 80% identical to SEQ ID NO:2.					
 1	32. The method of claim 29 wherein the amino acid sequence of the					
2	polypeptide is at least 80% identical to SEQ ID NO:3.					
[]] []]1	33. The method of claim 29 wherein the amino acid sequence of the					
2	polypeptide is at least 80% identical to SEQ ID NO:4.					
1	34. The method of claim 29 wherein the amino acid sequence of the					
2	polypeptide is at least 80% identical to SEQ ID NO:5.					
. 1	35. The method of claim 29 wherein the amino acid sequence of the					
2	polypeptide is at least 80% identical to SEQ ID NO:6.					
1	36. The method of claim 29 wherein the composition includes an adjuvant					
1	37. The method of claim 29 wherein the composition includes a carrier					
2	molecule.					
1	38. A method of detecting equine immunoglobulin E protein in a					
2	biological sample, the method comprising:					
3	contacting the sample with the composition of claim 10, thereby forming an					
4	antigen/antibody complex; and					

5	de	etectin	g the presence or absence of the antigen/antibody complex.			
1	39	9.	The method of claim 38, wherein the antibody is immobilized on a			
2	solid surface.					
1	40	0.	The method of claim 38, wherein the antigen is immobilized on a solid			
2	surface.					
1	41	1.	The method of claim 38, wherein the antibody is labeled, such that the			
2	antigen/antibody	comp	plex can be detected.			
1	42	2.	The method of claim 41, wherein the label is an enzyme capable of			
2	generating a detectable signal.					
1	43	3.	The method of claim 41, wherein the label is radioactive iodine.			
1	44	4.	The method of claim 41, wherein the label is biotin.			
רָּ	45	5.	The method of claim 41, wherein the complex is detected using a			
2	second labeled ar	ntibod	ly.			
1	46	6.	The method of claim 41, wherein the biological sample is serum.			
	47	7.	A kit for detection of equine immunoglobulin E in a biological sample			
2	the kit comprisin	ıg:				
3	th	ne con	position of claim 10; and			
4 5	m	eans i	for detecting specific binding of said antibody to equine			
5	immunoglobulin	E.				